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L8: Entry 9 of 30

File: JPAB

Apr 17, 1989

PUB-NO: JP401098469A

DOCUMENT-IDENTIFIER: JP 01098469 A

TITLE: COOLER FOR ROASTED BEAN IN ROASTER

PUBN-DATE: April 17, 1989

## INVENTOR-INFORMATION:

NAME

COUNTRY

OKADO, TSUNEHIKO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

KONDO UNYU KIKO KK

N/A

APPL-NO: JP62255924

APPL-DATE: October 9, 1987

US-CL-CURRENT: 99/286

INT-CL (IPC): A23N 12/12; F25B 27/02

## ABSTRACT:

PURPOSE: To obtain roasted beans of high quality with saved energy, by roasting raw beans with hot air, actuating an absorption type cooler with the waste air thereafter and cooling the roasted beans therewith.

CONSTITUTION: Hot air generated in a combustion chamber 4 is fed to a roasting chamber 1 to roast beans. Waste air from the roasting chamber 1 is passed through a filter 8 and a deodorizer 13 and discharged from a waste air passage 14 to the open air. A heat exchanger 28 is provided in the waste air passage 14 to actuate an absorption type cooler 27 with heat obtained therefrom. Air fed to a cooling bath 15 for cooling the roasted beans is cooled with a heat exchanger 29 provided in an air feed passage 17 thereof.

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L8: Entry 2 of 30

File: JPAB

Jul 11, 2000

PUB-NO: JP02000189326A

DOCUMENT-IDENTIFIER: JP 2000189326 A

TITLE: ROASTER AND SMOKE DISCHARGE METHOD

PUBN-DATE: July 11, 2000

## INVENTOR-INFORMATION:

NAME

COUNTRY

TAKA, KAZUO

N/A

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

TANICO CORP

N/A

APPL-NO: JP10373209

APPL-DATE: December 28, 1998

INT-CL (IPC): A47J 37/06; F24C 15/20

## ABSTRACT:

PROBLEM TO BE SOLVED: To feed fresh air into discharged smoke to cause recombustion of roasting smoke and exhaust gas and attain complete combustion by communicating one end of a circulating path connected to a blower with a discharge port of an outer pot, and communicating one end of an outside air take-in pipe with a duct.

SOLUTION: A roaster main body 1 is formed of an outer pot 2, an inner pot 3, a combustion part 4 formed on a water catch tray 4 disposed in the inner pot 3, a burner 6 as a heat source and a grill net 7. Thus, during the use of the roaster, discharged smoke passed through two oil filters 14, 16, from which large molecules such as fat and oil are removed, is passed through a discharge port 21 provided in the bottom of the outer pot 2 to enter a duct 11. One end of an outside air introduction pipe 40 is connected to the duct, whereby discharged smoke and fresh air are mixed, some of mixture is cooled by fresh air, and thinned to be discharged to the outside through the duct 11. The other of the mixture of discharged smoke and fresh air is discharged to the combustion part 5 through a suction pipe 181 and subjected to recombustion by the flame of the burner 6 to attain complete combustion.

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